

Observations of Comets *e* 1886 (*Finlay*), *b* 1887 (*Brooks*), *c* 1887 (*Barnard*), and *d* 1887 (*Barnard*) made at the Royal Observatory, Greenwich.

(Communicated by the Astronomer Royal.)

The observations were made with the East or Sheepshanks Equatorial, aperture 6·7 inches, by taking transits over two cross wires at right angles to each other, and each inclined 45° to the parallel of Declination.

Comet *e* 1886 (*Finlay*).

Greenwich Mean Solar Time.	Observer.	☿—★ R.A.			Corr. for Par. and Refract. in R.A.			☿—★ N.P.D.			No. of Comp.	Apparent R.A.			Apparent N.P.D.			Comp. Star.				
		h	m	s	h	m	s	h	m	s		h	m	s	h	m	s					
1887. Jan. 16	H.	7	17	14	+ 2	20	30	+ 0	20	— 6	42	6	2	1	3	4	80	82	7	53	9	a
25		8	21	53	— 1	28	83	+ 0	27	— 5	34	1	3	1	43	7	73	77	33	29	8	b

Comet *b* 1887 (*Brooks*).

Feb. 27	10	17	42	H. T.	+ 2	32·47	+ 0·47	+ 4	32·2	— 2·0	3	3	18	55·03	31 46 55·9	<i>c</i>
28	9	42	27		1 2	53·33	+ 0·50	+ 8	16·1	— 1·5	3	3	22	31·03	32 51 28 0	<i>d</i>
	9	42	27		1 2	14·00	+ 0·50	+ 0	29·3	— 1·7	3					<i>e</i>

Comet *c* 1887 (*Barnard*).

Feb. 28	12	32	49	M.	+ 1	11·25	— 0·10	+ 1	56·9	— 3·3	2					<i>f</i>
	12	39	31	H. T.	+ 1	14·65	— 0·10	+ 1	54·5	— 3·3	2					<i>g</i>

Comet *d* 1887 (*Barnard*).

Feb. 28	7	44	0	H. T.	+ 0	12·20	+ 0·33	+ 1	25·7	— 9·2	6					<i>h</i>
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Mean Places of Comparison Stars.

Star's Name.	R.A. 1887 <sup>o</sup> .	N.P.D. 1887 <sup>o</sup> .	Authority.
(a) W.B. 0°1043	h m s 1 0 44 81	82 14 37.9	Glasgow Catalogue, 1875.
(b) Arg. Zone + 12°, No. 242.	1 44 56.64	77 39 4.1	Bonn Observations, vol. vi.
(c) Oeltz.-Arg. (N.) 3731	3 16 22.43	31 42 31.3	Oeltz.-Arg. (N.)
(d) Oeltz.-Arg. (N.) 3772-3	3 19 37.50	32 43 18.6	" "
(e) Anonymous			
(f) Arg. Zone + 46°, No. 3148	20 58 0	43 2	Bonn Observations, vol. v.
(g) Arg. Zone + 46°, No. 3148	20 58 0	43 2	" " vol. v.
(h) Arg. Zone + 22°, No. 767	4 45 56	67 3	" " vol. iv.

Notes.

Jan. 16 and 25. Comet very faint.

Feb. 28. Comet extremely faint, partly owing to moonlight.

The observations are corrected for parallax and refraction. The initials H. T., M., and H. are those of Mr. Turner, Mr. Maunder, and Mr. Hollis respectively.

Royal Observatory, Greenwich:  
1887, March 11.

Observations of Comets made at the Royal Observatory, Cape of Good Hope, in the year 1886.

(Communicated by D. Gill, LL.D., F.R.S., H.M. Astronomer.)

All the observations were made with the Repsold filar micrometer of the 7-inch Equatorial, and they are corrected for the effects of differential refraction.

The observations have been chiefly made by Mr. W. H. Finlay : a few observations of Fabry's Comet by Dr. Gill are marked G.

Comet 1886 . . . (Fabry).

1886.	Cape		Comet—Star		No. of Comps.	Obser- ver.	Comet's App. R.A.		Log. (p × Δ)	Comet's App. Dec.		Log. (p × Δ)	Retl. to App. Place.	Comp. Star No.
	h	m s	Δ α	Δ δ			h	m s		°	' "			
May 1	6 39	12.3	+1 20.42	+6 3.0	6.6	G	4 6	36.01	9.6821	+ 5 19	22.2	0.7021 <sub>n</sub>	— 0.56	— 11.3 1
2	6 50	24.5	— 0 40.19	— 0 42.0	10.10	F	4 32	9.58	9.6757	— 0 38	26.0	0.6895 <sub>n</sub>	— 0.55	— 12.8 2
	7 6	57.9	— 0 23.52	— 4 38.5	11.11	F	4 32	26.25	9.6826	— 0 42	22.5	0.6897 <sub>n</sub>	— 0.55	— 12.8 2
3	6 52	17.2	+ 0 59.52	+ 2 6.4	16.16	F	4 56	8.07	9.6671	— 6 13	26.9	0.6645 <sub>n</sub>	— 0.55	14.2 3
4	6 33	32.8	— 1 18.73	— 4 15.5	12.12	F	5 18	0.42	9.6424	— 11 10	15.6	0.6170 <sub>n</sub>	— 0.53	15.8 4
	7 22	21.2	+ 0 31.78	— 0 51.4	12.12	F	5 18	43.70	9.6805	— 11 19	45.8	0.6441 <sub>n</sub>	— 0.54	— 15.7 5
5	6 26	37.3	+ 1 40.57	— 5 49.3	4.4	G	5 38		9.6236	— 15 29		0.5597 <sub>n</sub>	— 0.52	— 17.0 6
6	6 46	45.1	+ 0 40.54	+ 1 17.8	20.16	F	5 56	34.37	9.6412	— 19 13	32.0	0.5234 <sub>n</sub>	— 0.49	— 18.3 7
10	7 58	41.1	— 1 58.12	+ 4 12.6	11.11	G	6 52	10.28	9.7055	— 28 45	12.7	0.4513 <sub>n</sub>	— 0.32	— 21.8 8
11	8 21	13.6	— 0 50.74	+ 6 1.3	22.10	F	7 2	30.94	9.7246	— 30 13	40.8	0.4673 <sub>n</sub>	— 0.30	— 22.3 9
12	8 13	31.4	+ 1 53.34	+ 0 24.5	16.12	F	7 11	34.51	9.7199	— 31 26	45.3	0.4202 <sub>n</sub>	— 0.28	— 22.5 10
1	7 49	13.4	— 1 4.58	— 1 14.6	20.16	F	7 19	37.77	9.6959	— 32 28	14.6	0.3218 <sub>n</sub>	— 0.23	— 23.0 11